



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4300/ 6300 Fin-Frame" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. L4300-6300-1201, titled "Series-4300-6300 Fin-Frame Impact Fixed Window", sheets 01 through 05 of 05, dated 02/21/12 with revision "A" dated 08/18/14, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 12-0416.10 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. Gascon
11/19/14

NOA No. 14-0908.17
Expiration Date: July 19, 2017.
Approval Date: November 27, 2014
Page 1


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 12-0416.10)
2. Drawing No. L4300-6300-1201, titled "Series-4300-6300 Fin Frame Impact Fixed Window", sheets 01 through 05 of 05, dated 02/21/12 with revision "A" dated 08/18/14, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P. E.

B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an arch- and a rectangular fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s HETI-12-4011, dated 03/14/12 and HETI-11-3362, dated 03/14/12, all signed and sealed by Rafael Droz-Seda, P. E.
(Submitted under previous NOA No. 12-0416.10)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a circular arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. HETI-08-2026, dated 10/23/08, signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0416.10)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s HETI-09-2539, dated 09/04/09, HETI-07-4379, dated 10/23/08 and HETI-08-2218A, dated 11/18/08, all signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0416.10)
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a rectangular-, a circular arch- and an elliptical arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s HETI-09-2540, dated 09/04/09, HETI-09-2538, dated 09/04/09, HETI-09-2536, dated 09/04/09, HETI-08-2027, dated 10/23/08, HETI-08-2029, dated 10/23/08, HETI-08-2030, dated 10/23/08 and HETI-08-2218B, dated 11/18/08, all signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0416.10)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by manufacturer, dated 03/13/12, signed and sealed by Thomas J. Sotos, P. E.
(Submitted under previous NOA No. 12-0416.10)
2. Glazing complies with ASTM E1300-04/ 09

D. QUALITY ASSURANCE

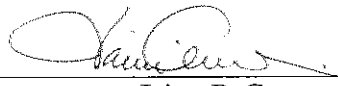
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.

F. STATEMENTS

1. Statement letter of conformance to and complying with **FBC 5th Edition (2014)**, issued by manufacturer, dated 09/02/14, signed and sealed by Thomas J. Sotos, P. E.
2. Department of State Certification of **LAWSON INDUSTRIES, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 04/11/14 and filed at the Secretary of State.
3. Statement letter of conformance, complying with **FBC-2010**, issued by manufacturer, dated 04/11/12, signed and sealed by Thomas J. Sotos, P. E.
(Submitted under previous NOA No. 12-0416.10)
4. Statement letter of no financial interest, issued by manufacturer, dated 04/11/12, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under previous NOA No. 12-0416.10)
5. Laboratory compliance letter for Test Reports No.'s **HETI-08-2026**, dated 10/23/08, **HETI-08-2026**, dated 10/23/08, **HETI-09-2539**, dated 09/04/09, **HETI-07-4379**, dated 10/23/08, **HETI-08-2218A**, dated 11/18/08, **HETI-09-2540**, dated 09/04/09, **HETI-09-2538**, dated 09/04/09, **HETI-09-2536**, dated 09/04/09, **HETI-08-2027**, dated 10/23/08, **HETI-08-2029**, dated 10/23/08, **HETI-08-2030**, dated 10/23/08 and **HETI-08-2218B**, dated 11/18/08, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0416.10)


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0908.17
Expiration Date: July 19, 2017
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Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

6. Laboratory compliance letter for Test Reports No.'s **HETI-12-4011**, dated 03/14/12 and **HETI-11-3362**, dated 03/14/12, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael Droz-Seda, P. E.
(Submitted under previous NOA No. 12-0416.10)
7. Proposal No. **07-2527** issued by Product Control, dated 03/29/07, signed by Manuel Perez, P. E.
(Submitted under previous NOA No. 12-0416.10)

G. OTHERS

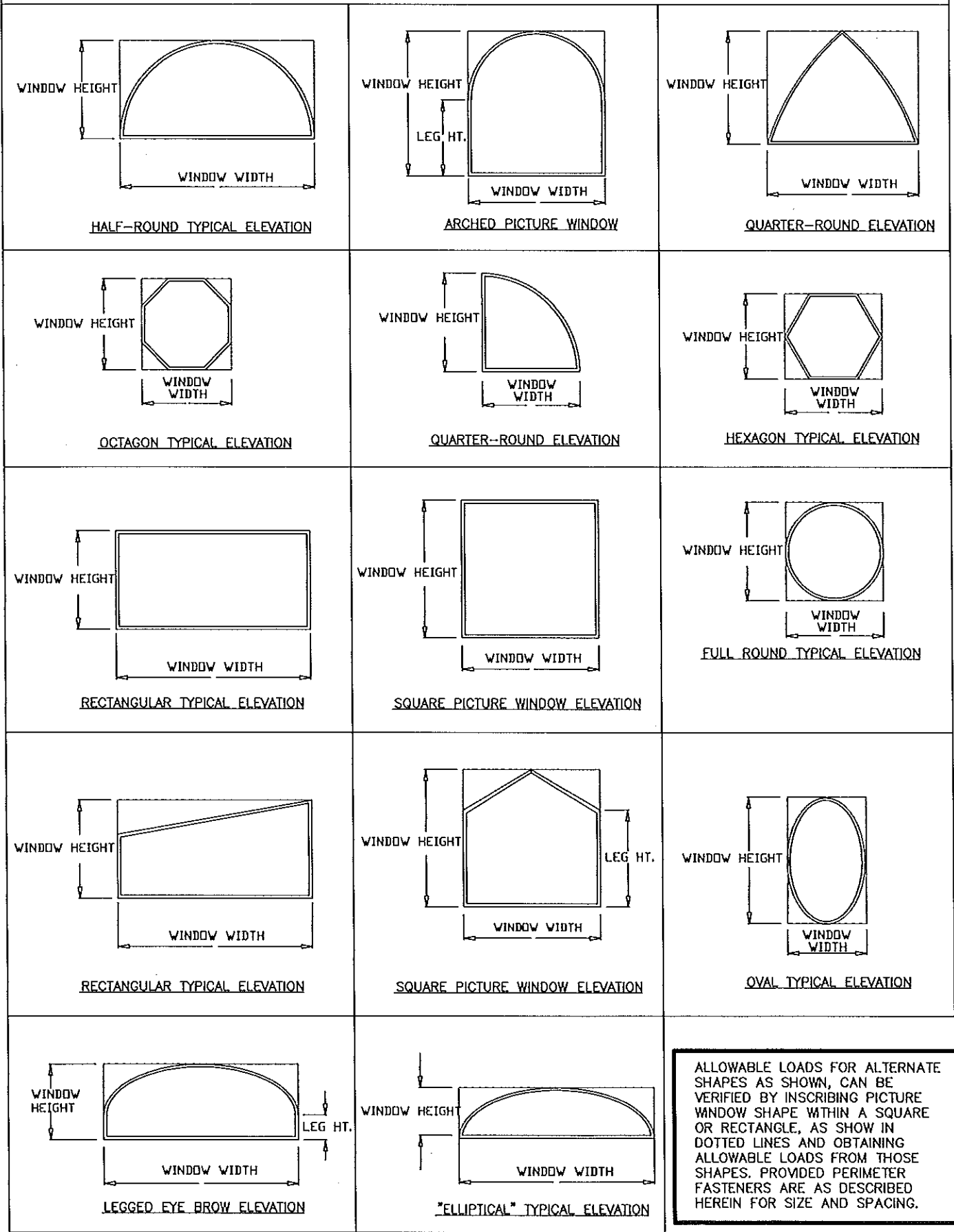
1. Notice of Acceptance No. **12-0416.10**, issued to Lawson Industries, Inc. for their Series "4300/ 6300 Fin-Frame" Aluminum Fixed Window - L.M.I.", approved on 07/19/12 and expiring on 07/19/12.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0908.17
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SERIES-4300/6300 FIXED IMPACT WINDOW - FIN FRAME

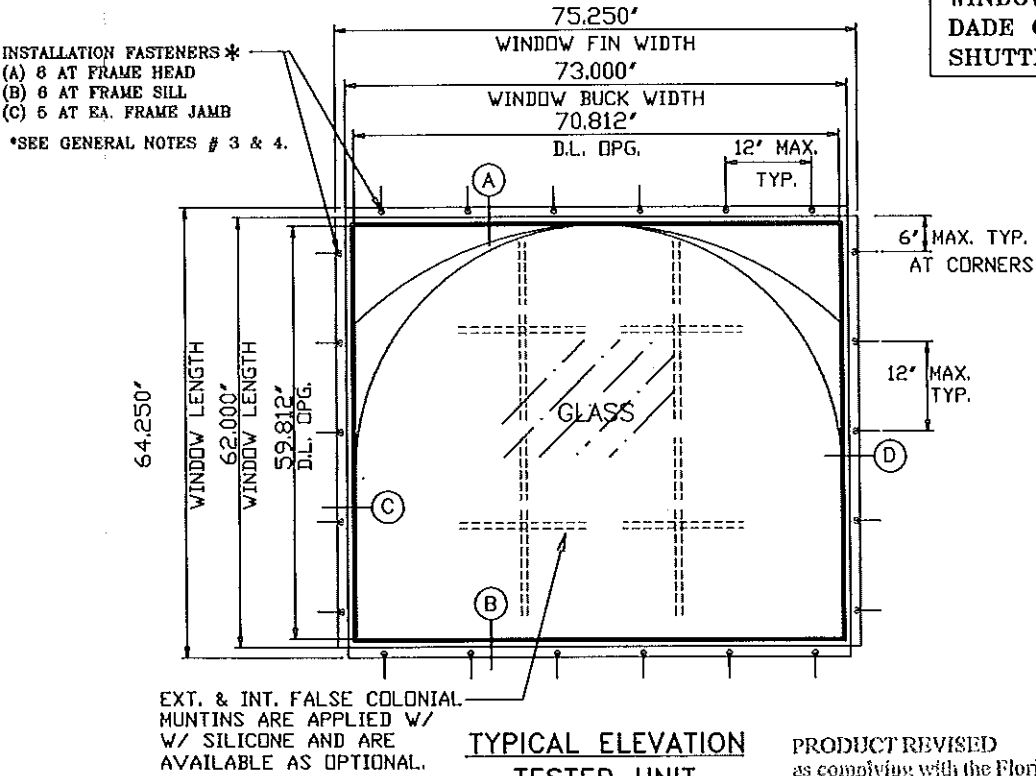
APPROVED WINDOW ELEVATIONS (L.M.IMPACT)



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN, CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN A SQUARE OR RECTANGLE, AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES. PROVIDED PERIMETER FASTENERS ARE AS DESCRIBED HEREIN FOR SIZE AND SPACING.

General Notes:

- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE VELOCITY (HVHZ) AND ASTM 1300-04. THIS PRODUCT IS IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
- 2.) WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF 2014 F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ANCHORS ON ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.)
- 4.) ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
- 5.) WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LAMINATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3 & 4), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3 & 4).
- 6.) WINDOWS WITH GLASS TYPES "E, F, G, OR H" INSTALLED ABOVE 30ft. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2014, Section 2411.3.3.7).
- 7.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 2 & 5.
- 8.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- 9.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE 2014 FBC CHAPTER 24.
- 10.) APPROVAL APPLIES TO SINGLE UNITS, SIDE BY SIDE OR TOP STACKED MULLED UNITS.
- 11.) MULLING FIXED WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED PRODUCTS USING A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE FROM THE WINDOWS OR MULLION APPROVAL WILL APPLY TO THE ENTIRE MULLED SYSTEM.
- 12.) SEE SHEET # 5 FOR MULLION/METAL ATTACHMENT DETAILS & OPTIONS.
- 13.) ALL METAL/STEEL IN CONTACT WITH ALUMINUM OR OTHER DISSIMILAR MATERIALS TO BE PAINTED OR PLATED AND SHALL MEET THE 2014 FLORIDA BLDG. CODE.



TYPICAL ELEVATION TESTED UNIT

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0908.17 Expiration Date 07/19/2017 By [Signature] Miami Dade Product Control

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW

APPROVED ELEVATIONS, CONFIGURATIONS AND NOTES

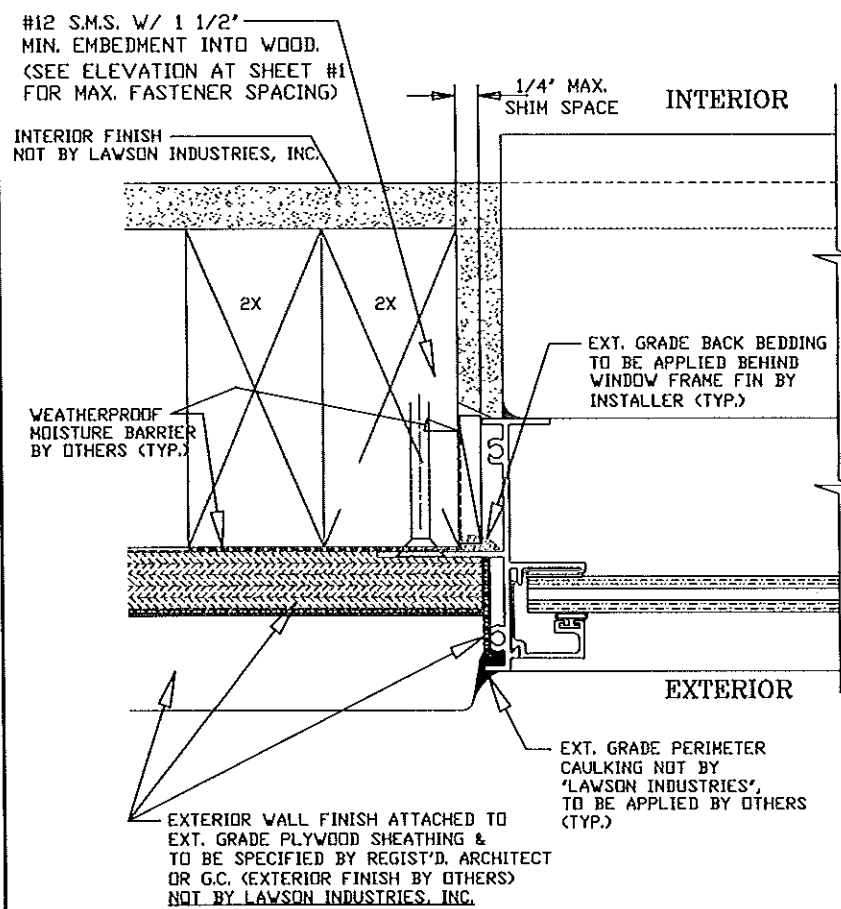
Product Reference Number: L4300-6300-1201 Sheet 1 OF 5 Revision #:

Revision Notes:	A. Revised date for the 2014 FBC
Drawn By:	N. ERAZO
Revised By:	N. ERAZO
Revision Level:	A
Date Drawn:	02-21-12
Date Revised:	08/18/14
Scale:	

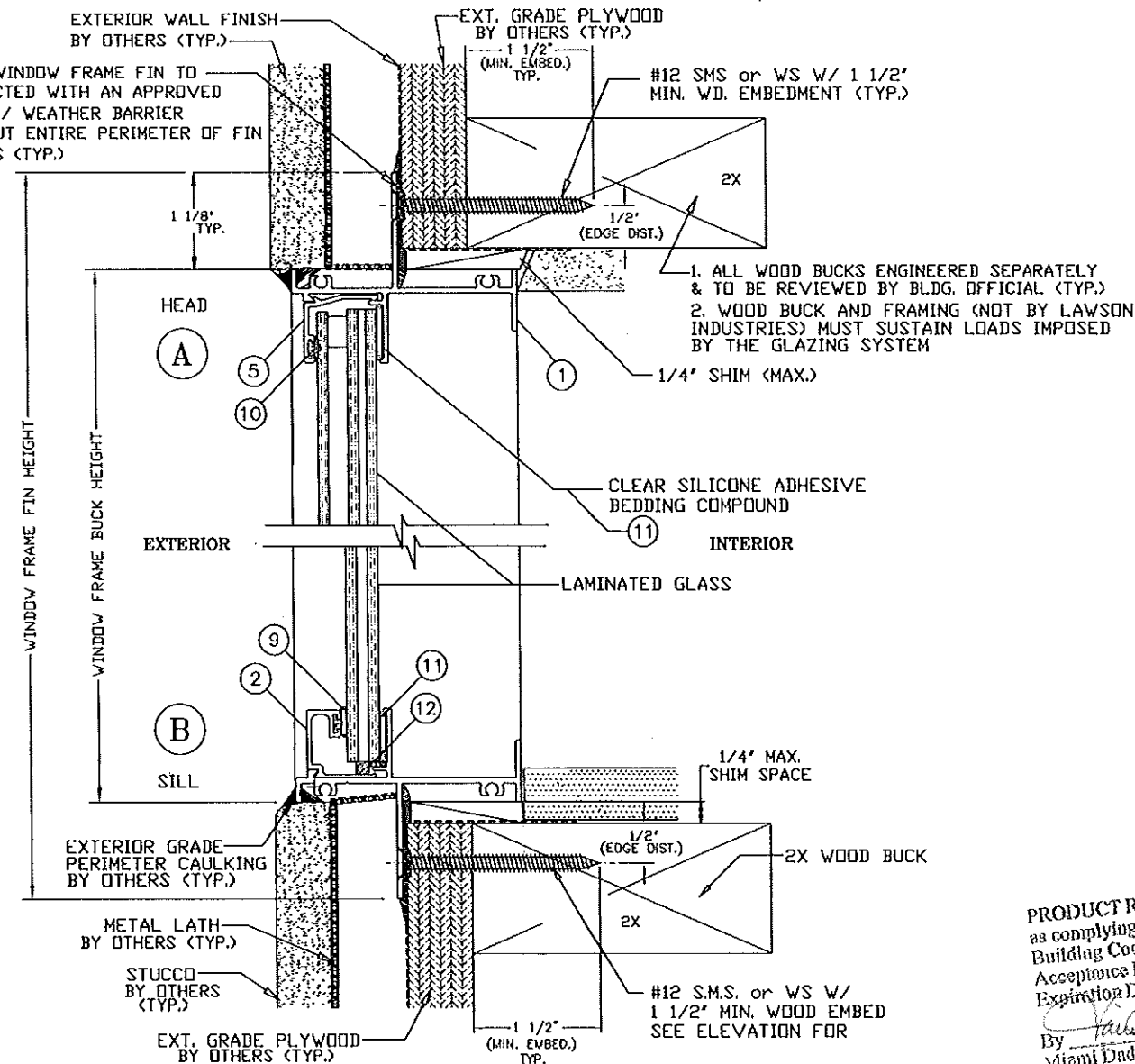
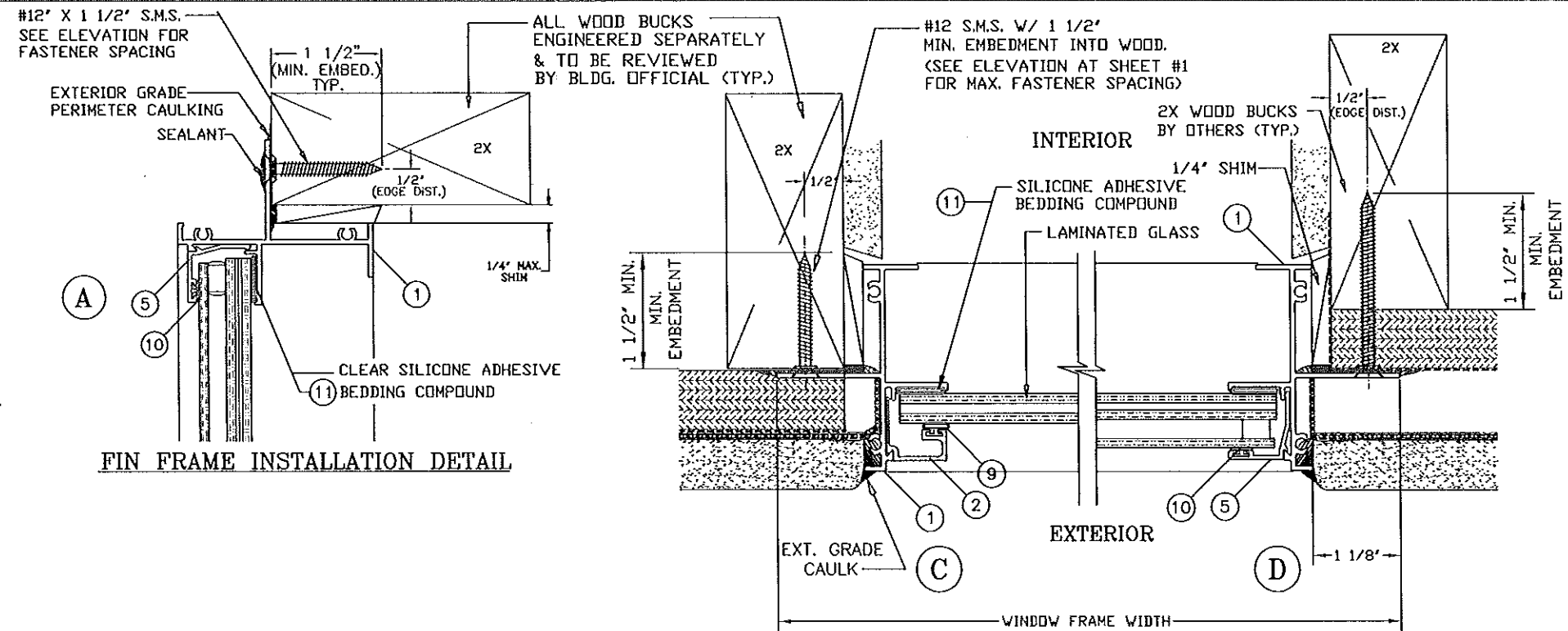
THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

STATE OF FLORIDA
Professional Engineer Seal
No. 55225
Expiration Date 07/19/2017

DATE



C1 WOOD FRAME INSTALLATION DETAIL



WINDOW INSTALLATION NOTES:

1. THE WINDOW OPENING MUST BE PROTECTED WITH A CODE APPROVED FELT OR MOISTURE/WEATHER BARRIER, APPROX. 12" WIDE THROUGHOUT ENTIRE PERIMETER OF THE WINDOW MOUNTING FIN. (NOT BY LAWSON INDUSTRIES)
2. THE WINDOW FRAME FIN TO BE BACK-BEDDED W/ AN EXT. GRADE CAULK THROUGHOUT THE ENTIRE PERIMETER OF FIN BY WINDOW INSTALLER (TYP.)
3. THE EXPOSED EXT. PERIMETER OF THE WINDOW FRAME TO BE SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

* WHEN THE GAP BETWEEN THE WINDOW FRAME AND THE BUCK OR MASONRY IS LESS THAN 1/8", SHIMS ARE NOT REQUIRED.

ANCHORS NOTE:

ANCHORS TO BE #12 SMS OR WD. SCREWS INTO WOOD, WITH A MINIMUM OF 1 1/2' PENETRATION INTO 2X WOOD AT 12" D.C. MAX.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0908.17
Expiration Date 07/19/2017
By *[Signature]*
Miami Dade Product Control

LAWSON
INDUSTRIES, INC.

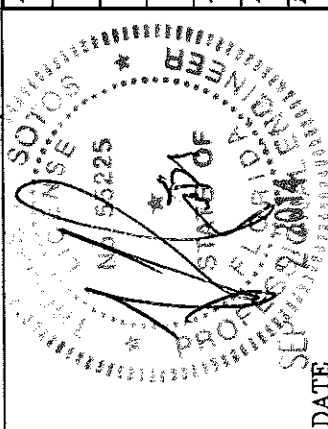
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW
WINDOW VERTICAL AND HORIZONTAL CROSS SECTION, DETAILS & NOTES

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

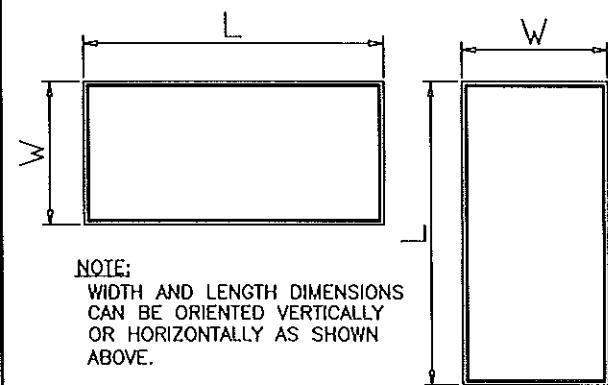
Revision Notes	A. Revised date for the 2014 FBC
Drawn By:	N. ERAZO
Reviewed By:	N. ERAZO
Scale:	A
Date Drawn:	02-21-12
Date Revised:	08/18/14

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 56225



DATE

DESIGN LOAD CAPACITY - PSF													
WINDOW BUCK DIMS		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'D'		GLASS TYPE 'E'		GLASS TYPE 'F'		GLASS TYPE 'G' & 'H'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18-1/8"	25"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
62"	37-3/8"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"	49-5/8"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
62"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"	57"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"	62"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"	73"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"	73-1/4"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-04

5/16" LAMINATED GLASS COMPOSITION - TYPE A		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" ANNEALED GLASS	

5/16" LAMINATED GLASS COMPOSITION - TYPE B		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" HEAT-STRENGTHENED GLASS	

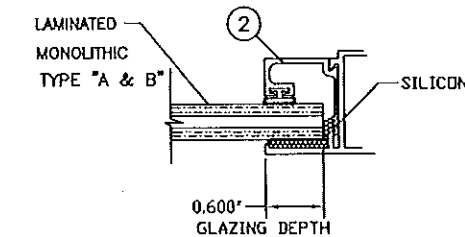
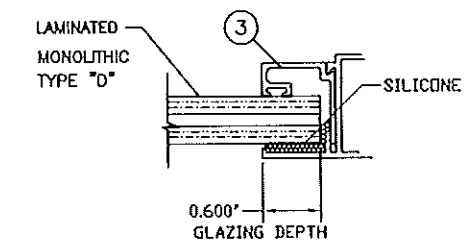
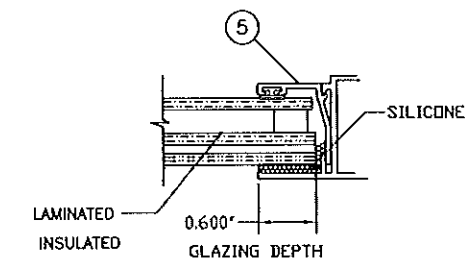
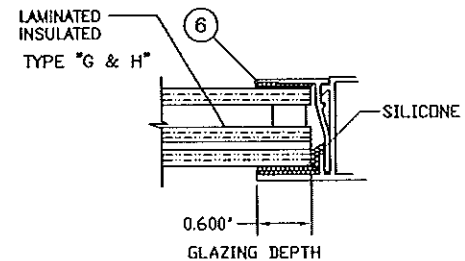
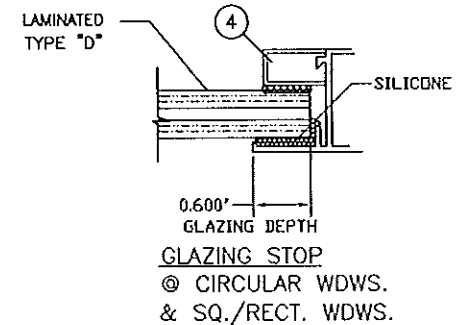
7/16" LAMINATED GLASS COMPOSITION - TYPE D		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	3/16" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE E		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB-SOLUTIA	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G		
ITEM	DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	3/16" HEAT-STRENGTHENED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	

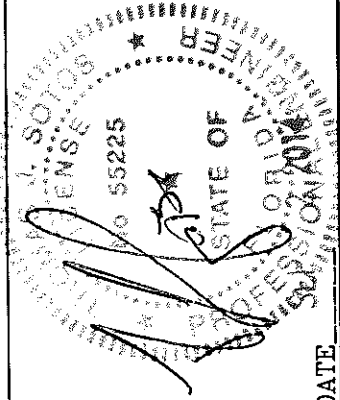
LAMINATED INSULATED GLASS COMPOSITION TYPE H		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB-SOLUTIA	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	



TYPICAL GLAZING DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0908.17
Expiration Date 07/19/2017
By [Signature]
Miami Date Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



Revision Notes: A. Revised date for the 2014 FBC		Date Drawn: 02-21-12		Date Revised: 08/18/14		Scale: A	
Drawn By: N. ERAZO		Revised By: N. ERAZO		Revision Level: A		Product Reference Number: L4300-6300-1201	
8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660		LAWSON INDUSTRIES, INC.		MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS		SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW	
INSULATED-LAMINATED GLASS DESIGN PRESSURE CHARTS		Sheet 3 OF 5		Revision #:		DATE	

DESIGN LOAD CAPACITY - PSF													
WINDOW BUCK DIMS		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'D'		GLASS TYPE 'E'		GLASS TYPE 'F'		GLASS TYPE 'G' & 'H'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
23"	35"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
53"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
59"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
23"	47"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
53"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
59"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
23"	59"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	71"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		55.80	55.80	52.00	52.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	73"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		53.90	53.90	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	83"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		54.70	54.70	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	95"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		49.70	49.70	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	107"	57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
29"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	119"	53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
29"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-04

5/16" LAMINATED GLASS COMPOSITION - TYPE A		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" ANNEALED GLASS	

5/16" LAMINATED GLASS COMPOSITION - TYPE B		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" HEAT-STRENGTHENED GLASS	

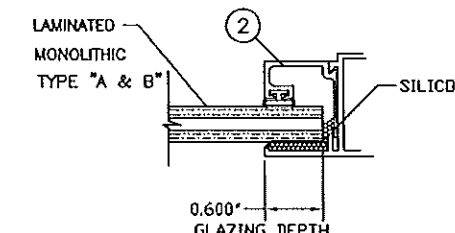
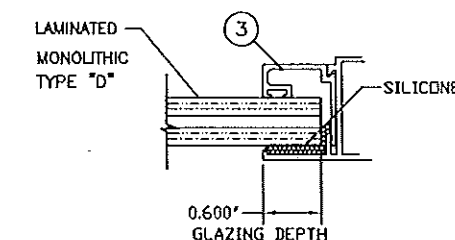
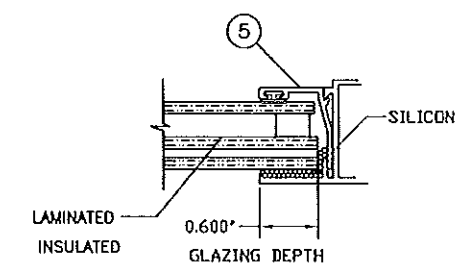
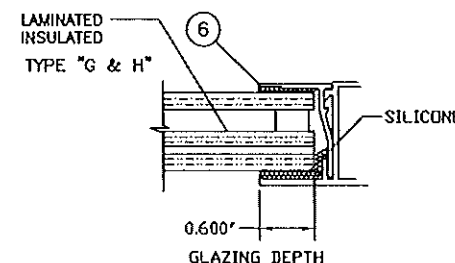
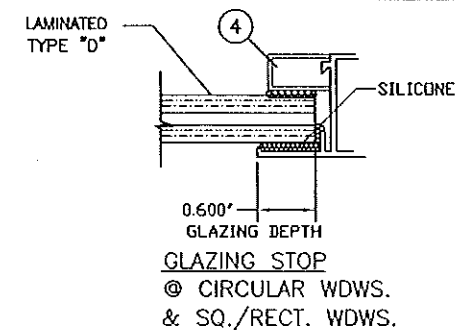
7/16" LAMINATED GLASS COMPOSITION - TYPE D		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	3/16" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE E		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB-SOLUTIA	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G		
ITEM	DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	3/16" HEAT-STRENGTHENED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE H		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB-SOLUTIA	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	



TYPICAL GLAZING DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0908.17
Expiration Date 07/19/2017
By [Signature]
Miami Dade Product Control

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON
INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW

LAMINATED GLASS DESIGN PRESSURE CHARTS

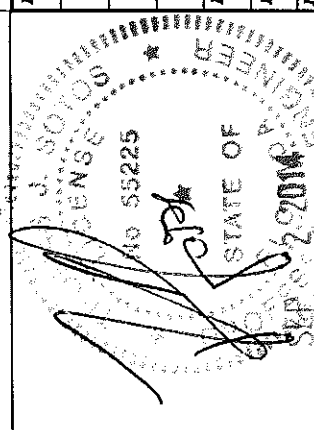
Product Reference Number: L4300-6300-1201

Sheet 4 OF 5

Revision #:

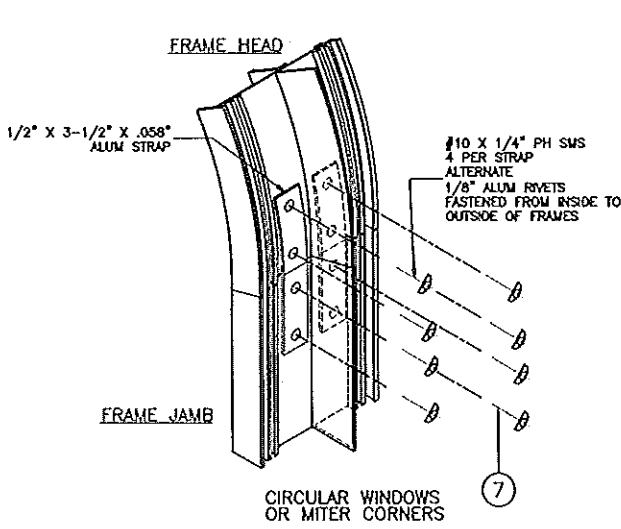
Revision Number	A	Revised date for the 2014 FBC	
Drawn By:	N. ERAZO	Date Drawn:	02-21-12
Revised By:	N. ERAZO	Date Revised:	08/18/14
Revision Level:	A	Scale:	

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

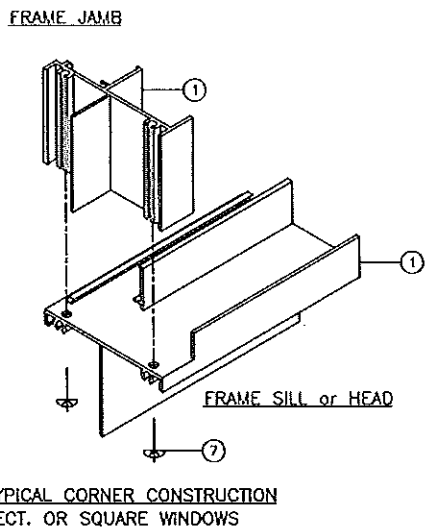


DATE

BILL OF MATERIALS					
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	REMARKS
1	L-4301	2	FRAME HEAD/SILL/JAMB	6063-T6	-
2	L-7708	4	GLAZING BEAD (5/16" GLASS)	6063-T6	-
3	L-7708	4	GLAZING BEAD (3/8" & 13/32" GLASS)	6063-T6	-
4	L-4204	AS REQD.	GLAZING BEAD AT CIRCULAR WDWS.	6063-T5	-
5	L-7711	4	GLAZING BEAD (5/16" GLASS- INSULATED)	6063-T6	-
6	L-6211	4	GLAZING BEAD (7/16" GLASS - INSULATED)	6063-T6	-
7	#8 X 3/4"	2/ CORNER	ASSEMBLY SCREWS	-	P.H. PHILLIPS
8	812-25H-357	AS REQD.	"TruSeal" Dura-Seal Swiggle Spacer	*	Black - 1/4" Air Spacer
9	VWS-004	AS REQD.	GLAZING VINYL BULB - TEAM PLASTICS	FLEX. PVC	Material Composition Below
10	PWS-001	AS REQD.	PILE WTS'P SEAL	*	.187" w. X .150" h.
11	DC-899	AS REQD.	GLAZING SILICONE	*	DOW CORNING
12	PL 75.6020	AS REQD.	GLAZING SETTING BLOCK	SOFT PVC	1/8" X 1/8" X 2"



②
FRAME RADIUS JOINT



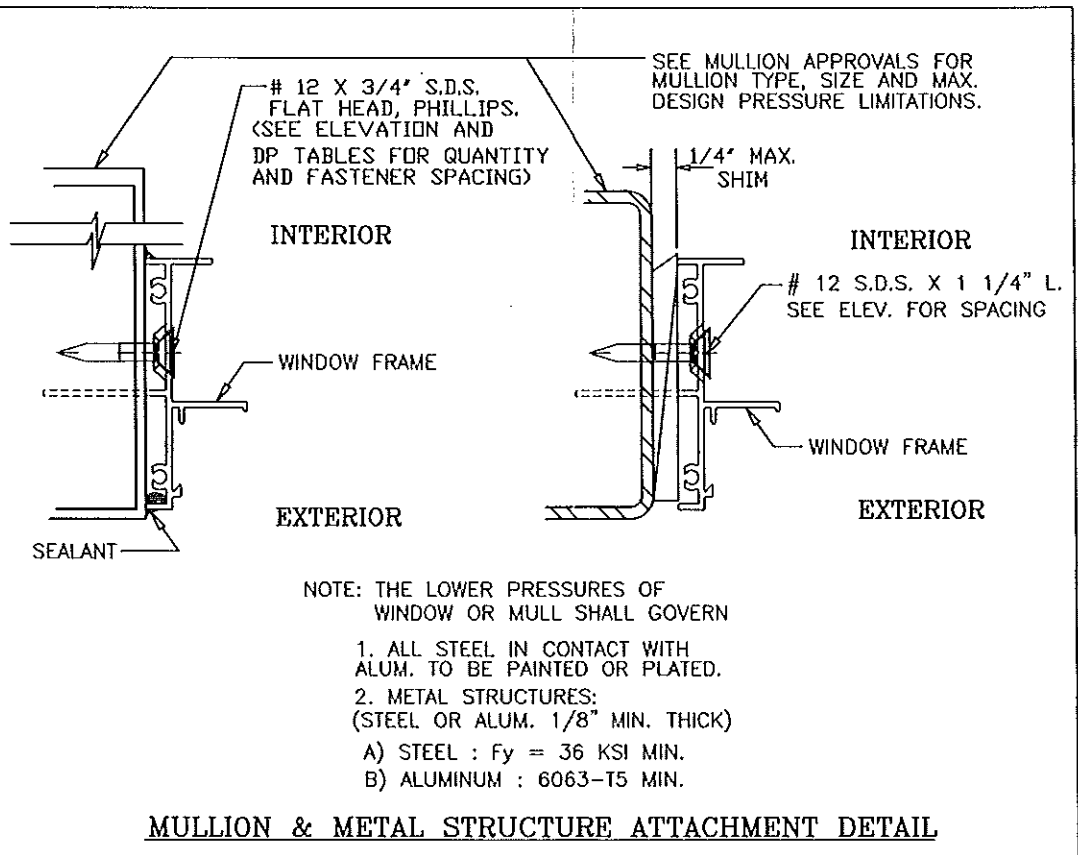
①
FRAME END CORNER

SEALANT:
FRAME CORNERS, OR JOINTS SEALED WITH A COLORED SEALANT AND PERIMETER OF GLAZING BEAD WITH CLEAR SILICONE

FRAME CORNER & JOINT DETAILS

Flexible Vinyl (FPVC) Composition - Team Plastics, Inc.			
*1. FPVC Black: Compound No. 7200-75			
PHYSICAL		ASTM NO.	
Durometer Hardness "A", 10 sec	75	D-2240	
Specific Gravity	1.45	D-792	
Tensile Strength, PSI	1640	D-638	
Ultimate Elongation, %	340.0	D-638	
Modulus @ 100% Elongation, PSI	765.0	D-638	
Impact Brittleness,	-31.0	D-746	
*2. FPVC White: Compound No. 7267-75			
PHYSICAL		ASTM NO.	
Durometer Hardness "A", 10 sec	75	D-2240	
Specific Gravity	1.45	D-792	
Tensile Strength, PSI	1640	D-638	
Ultimate Elongation, %	325.0	D-638	
Modulus @ 100% Elongation, PSI	765.0	D-638	
Impact Brittleness,	-30.0	D-746	

WINDOW FRAME EXTRUSION DETAILS	
1 FRAME HEAD/SILL/JAMB	2 GLAZING STOP (5/16" GLASS)
3 GLAZING STOP (3/8" & 13/32" GLASS)	4 GLAZING STOP (CIRCULAR WDW.)
5 INSULATED GLAZING STOP (5/16" Laminated Insulated Glass)	6 INSULATED GLAZING STOP (7/16" Laminated Insulated Glass)



MULLION & METAL STRUCTURE ATTACHMENT DETAIL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0908.17 Expiration Date 07/19/2017 By Miami Dade Product Control

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW

BILL OF MATERIALS, EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

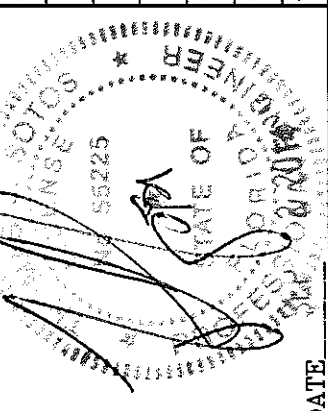
Product Reference Number: L4300-6300-1201

Sheet: 5 OF 5

Revision #: 5 OF 5

Revision Notes:	A. Revised date for the 2014 FBC
Drawn By:	N. ERAZO
Revised By:	N. ERAZO
Revision Level:	A
Date Drawn:	02-21-12
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Scale:	

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



DATE